

Title (en)

Method for separating of a multi-phase mixture and decanter centrifuge system for carrying out this method

Title (de)

Verfahren zum Trennen eines Mehrphasengemisches und Dekantierzentrifugensystem zur Durchführung des Verfahrens

Title (fr)

Procédé pour la séparation d'un mélange à phases multiples et système de centrifugeuse décanteuse pour la mise en oeuvre dudit procédé

Publication

**EP 1232794 B1 20040609 (DE)**

Application

**EP 01102962 A 20010208**

Priority

EP 01102962 A 20010208

Abstract (en)

[origin: EP1232794A1] An assembly separates a multi-phase mixture into liquid (54) and dry (52) phases and employs a decanting centrifuge (100) with an annular immersion disc (14). A liquor weir is located on the end-face of the centrifuge drum (20). An Independent claim is also included for a separation process in which after starting the centrifuge drum (20) and setting an initial tank depth, the mixture (50) is introduced into the drum. The liquid and dry phases are drawn off. The tank depth and centrifuge fluid level are regulated by the liquor weir until a pre-determined dry substance concentration is reached. The tank depth is continually compared with a tolerance range. During the process the weir is so positioned that a reaction to feed concentration changes is possible in both directions. As the process progresses, the centrifuge speed is lowered in steps and the weir position adjusted so that the dry phase remains constant.

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IPC 8 full level

**B04B 1/20** (2006.01)

CPC (source: EP US)

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Cited by

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